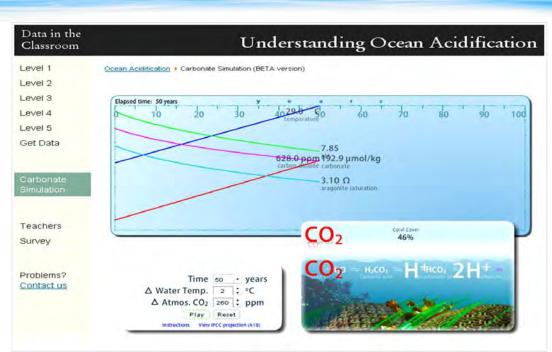
FREE Teacher Workshop

Understanding Ocean Acidification

Learn how to teach about ocean acidification and coral reefs using the latest data from NOAA



The Data-in-the-Classroom Module from NOAA Coral Reef Conservation Program incorporates real (and near-real time) data on Ocean Acidification that includes a set of five scalable lesson plans with simulations and demos. Workshop will also cover corals & watershed and a Water Quality module.

WHO WHAT WHEN/WHERE High School science teachers/ Middle School teachers Ocean Acidification and Water Quality Educational Modules June 14, 2011 at Ft. Lauderdale (NOVA Nat'l Coral Reef Inst.)

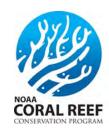
June 15, 2011 at South Miami (UM - Rosenstiel School) June 17, 2011 at Key West (Nat'l Marine Sanctuary Office)

9:00 AM - 5:00 PM

HOW LONG YOU BRING Your laptop YOU GET

A \$75 teacher stipend provided for full-day participation, Master Plan Points/In-Service Points, plus the full printed OA Module Teachers' Guide, multimedia educational materials, beautiful coral reef posters and more





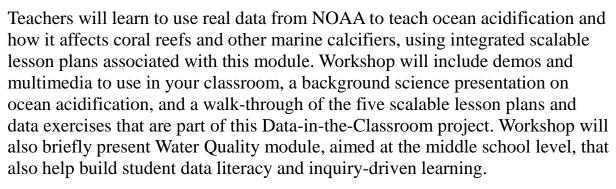






Workshop Description





- * Lesson 1: Ocean pH Understanding spatial and temporal variations of ocean pH
- * Lesson 2: Ocean-Carbon connection Understanding how CO2 goes from land activity to atmosphere to ocean
- * Lesson 3: Carbonate Chemistry Understand chemical pathway of how CO2 lowers ocean pH and its affect on carbonate chemistry
- * Lesson 4: Aragonite Saturation and Marine Calcifiers Understanding the concept of aragonite saturation state and marine animals affected by it
- * Lesson 5: Student-driven Investigation Ability to design an investigation and obtain data to check it

Water Quality NODE module will introduce: Corals and Watersheds; Reading Water Temp data; Understanding Dissolved O2; Introducing Salinity.

Agenda

9:00-10:00 AM	Registration, introduction, pre-testing
10:00-10:30 AM	Ocean Acidification & Coral Reefs
10:30-11:00 AM	NODE Overview
11-Noon	OA Module Lessons 1-2
Noon- 1:00 PM	Lunch
1:00-3:00 PM	OA Module Lessons 3-5
3:00-3:30 PM	Watersheds and Corals
3:30-4:30 PM	Water Quality Module
4:30-5:00 PM	Post-testing
	_

To Register:

http://coralreefs2011.questionpro.com/

(Limited seating: Participants will receive confirmation email once their registration is processed)